

**LIMITS OF LAKESHORE RESTORATION
(1,150 LF SHORELINE)**

LEGEND

- DEBRIS AREA
- POTENTIAL PICNIC AREA OR LAKE ACCESS POINT
- GOOD VIEWS
- CATTAIL MARSH
- FLOODPLAIN FOREST
- WET MEADOW
- GRASSLAND
- LOW GROWING NATIVE PLANTING
- EXISTING BUTTERFLY GARDEN
- REGRADED SHORELINE

Annotations:

- EXISTING XCEL GAS LINES - LIMITED EARTHWORK ALLOWED WITHIN GAS LINE EASEMENT (80'). ABILITY TO LOCATE TRAIL WITHIN EASEMENT AS LONG AS ALLOW YEARLY MAINTENANCE OF GAS LINE.
- SURVEYED WATER LINE
- EDGE OF VEGETATION PER GPS
- PROVIDE BUFFER BETWEEN RESTORED VEGETATION AND EXISTING OVERGROWN INVASIVE PLANTING WITHIN GASLINE EASEMENT
- PROPOSED WILDLIFE VIEWING PLATFORM IN CATTAIL MARSH
- PROPOSED COUNCIL RING/GATHERING AREA DENOTING END OF LAKESHORE IMPROVEMENTS AND PROVIDES CONNECTION TO FUTURE TRAIL NETWORK
- PROVIDE FENCING BETWEEN TRAIL AND SHORELINE RESTORATION TO ALLOW FOR PLANT ESTABLISHMENT
- PROVIDE LOW GROWING NATIVE PLANT MATERIAL ALONG TRAIL - MONO CULTURE PLANTING OR ABILITY TO MOW ONCE PER YEAR
- OPEN UP VIEWS OF LAKESHORE FROM LILYDALE ROAD THROUGH FLOODPLAIN FOREST - CURRENTLY VERY OVERGROWN AND LAKE-SHORE UNSEEN FROM ROADWAY
- PROVIDE SHORELINE TRAIL CONNECTING PICNIC/WILDLIFE VIEWING OPPORTUNITIES ALONG LAKESHORE. TRAIL TO BE 6-8' WIDE AND FOLLOW EXISTING GAS LINE TO ALLOW INSPECTION AND MONITORING OF GAS LINE. TRAIL TO BE SOFT SURFACE WITH FUTURE CONNECTION TO OVERALL MASTER PLAN TRAIL SYSTEM
- REGRADE LAKESHORE EDGE TO 4:1 SLOPE. REMOVE ALL INVASIVE PLANT MATERIAL AND REPLANT WITH SHORELINE PLANT MATERIAL TO STABILIZE BANK, PROMOTE AQUATIC PLANT DIVERSITY AND IMPROVE WATER QUALITY. RESEARCH EROSION CONTROL MEASURES FOR CONSTRUCTION
- EXISTING BUTTERFLY GARDEN / PLANTING TO EXTEND TO EDGE OF LAKESHORE IMPROVEMENTS. LONG TERM GOAL OF PROVIDING BUFFER BETWEEN LILYDALE ROAD AND BUTTERFLY GARDEN. RESEARCH DIVERSE PLANT MATERIAL FOR VARIOUS PLANT HEIGHTS AND VARIETIES ALONG SHORELINE.
- EXISTING CANOE LAUNCH TO BE REGRADED TO 6:1 SLOPE
- EXISTING PARKING LOT IN POOR CONDITION. EXPLORE OPTIONS TO COLLECT STREET WATER RUN-OFF AND FILTRATION PRIOR TO ENTERING PICKEREL LAKE
- PROPOSED LAKE ACCESS/ FISHING POINT WITH STONE STEPS TO SHORELINE AT 5:1 SLOPE
- CREATE VIEWS FROM ROADWAY TO PICKEREL LAKE.
- RECONSTRUCT SWALE FROM ROAD AND REMOVE DEBRIS.
- PICNIC / GATHERING AREA ADJACENT TO CANOE LAUNCH. DEFINES END OF LAKESHORE IMPROVEMENTS AND OFFERS VIEWS OF RR BRIDGE
- CATTAIL MARSH
- SURVEYED WATER LINE
- EDGE OF VEGETATION PER GPS
- OVERHEAD POWER LINES
- RAIL ROAD BRIDGE

EXISTING GUARD RAIL

20' LIKELY ROAD

EXISTING GRAVEL PARKING LOT
FUTURE IMPROVEMENT NEEDED WITH MASTER PLANNING EFFORTS

PROPOSED TRAIL OVER EXISTING GAS LINE EASEMENT

REPLANT GAS LINE EASEMENT WITH NATIVE LOW GROWING VEGETATION - NO TREES ALLOWED WITHIN XCEL EASEMENT

PROVIDE ACCESS TO LAKE AT DESIGNATED AREAS

EXISTING GAS LINE

30' GAS LINE EASEMENT

REGRADED LAKESHORE EDGE AT 4:1 SLOPE - REPLANT WITH VEGETATIVE

APPROXIMATE BOTTOM OF LAKE

EXISTING TRANSMISSION LINES

EXISTING GRADE

WATER ELEVATION 695.40

FIGURE 10-1
PROPOSED TRAIL AND PARKING

BUFFERING BETWEEN GATHERING AREA AND NATIVE PLANT MATERIAL

COUNCIL RING / GATHERING AREA

WILDLIFE VIEWING PLATFORM

RESTORED SHORELINE AT 4:1 SLOPE

LAKESHORE ACCESS BETWEEN NATIVE PLANTING

SPLIT RAIL FENCE PROTECTING RESTORED SHORELINE

BUDGET:

EXISTING FUNDING : \$230,000.00

PHASE 1 ESTIMATED CONSTRUCTION BUDGET : \$290,000.00

TIME FRAME:

CONSTRUCTION DRAWING DEVELOPMENT - WINTER 2008

CONSTRUCTION BEGINS - SPRING 2009

COMPLETION - SUMMER 2009

1. DEVELOP PHASING PLAN TO CONTROL INVASIVE SPECIES REMOVAL ALONG SHORELINE
2. DEVELOP PLANTING PALETTE FOR LAKESHORE RESTORATION. GOALS TO ENCOURAGE WILDLIFE HABITAT, PROTECT SHORELINE EROSION, IMPROVE WATER QUALITY, AND MAINTAIN VIEWS OF PICKEREL LAKE
3. DEVELOP CONSTRUCTION DETAILS FOR LAKESHORE IMPROVEMENTS